

VERMONT WEEKLY INFLUENZA SURVEILLANCE REPORT

April 2 – April 8, 2017 | MMWR Week 14

KEY POINTS

Influenza activity was categorized as **widespread** for MMWR Week 14

- Levels of Influenza-like Illness (ILI) activity seen in emergency departments stayed steady
 - Of the total emergency room visits, **3.3% were due to ILI**
- Sentinel providers reported **1% of patients had ILI**
- Vermont Department of Health Laboratory reported **24 positive flu tests**
- National Respiratory and Enteric Virus Surveillance System reported **59 positive flu tests**
- Received reports of positive flu cases from multiple hospitals throughout the state
- One outbreak at a school reported from the Northwestern region, one outbreak at a LTCF reported from the Southwestern region, and one outbreak at a school reported from the Southwestern region

FLU SURVEILLANCE SEASON

START
MMWR Week 40
(Week End Date 10/08/16)

END
MMWR Week 20
(Week End Date 5/20/17)

NATIONAL WEEKLY FLU REPORT

<http://www.cdc.gov/flu/weekly/index.htm>

VERMONT FLU WEBSITE

www.healthvermont.gov/prevent/flu/flusurveillance.aspx

VT Flu Geographic Spread*

No Activity

Sporadic

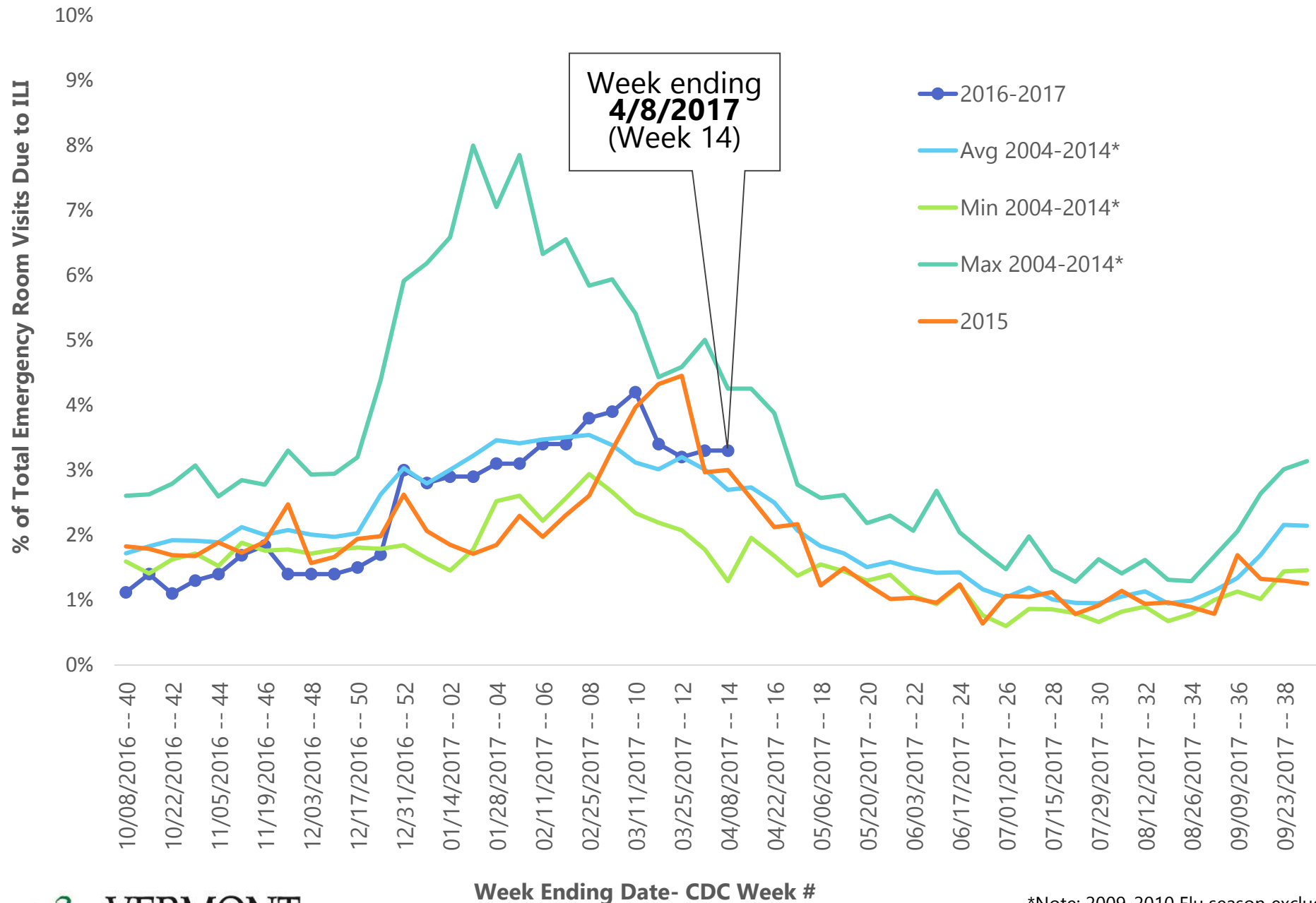
Local

Regional

Widespread

*Based on CDC's Activity Estimates Definitions:
www.cdc.gov/flu/weekly/overview.htm

Syndromic Surveillance of Influenza-Like Illness (ILI) at Vermont Hospitals, 2016-2017 vs. Historic Data



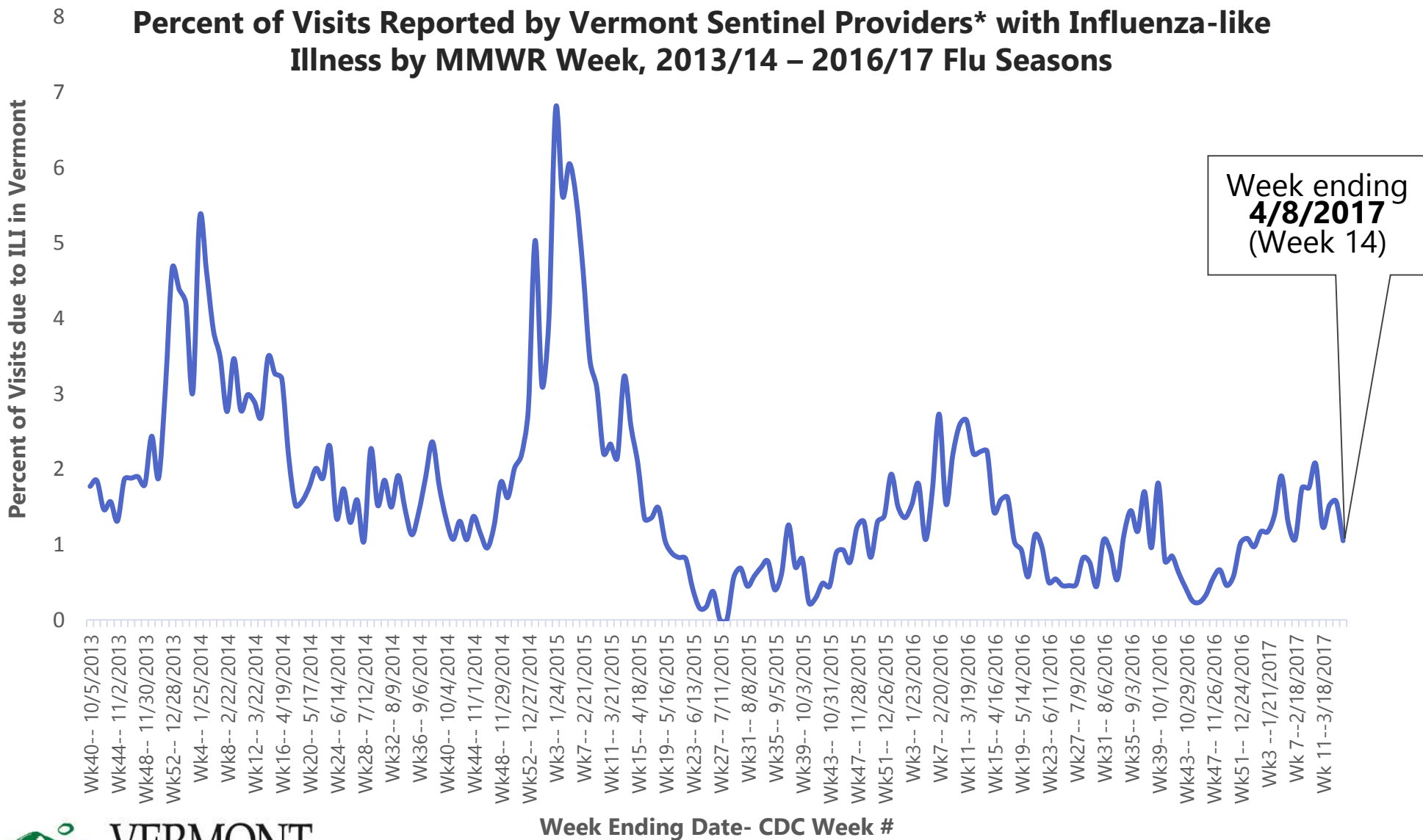
Sentinel Provider Data From ILINET

Sentinel providers report the number of patients with an ILI seen by their practices each week

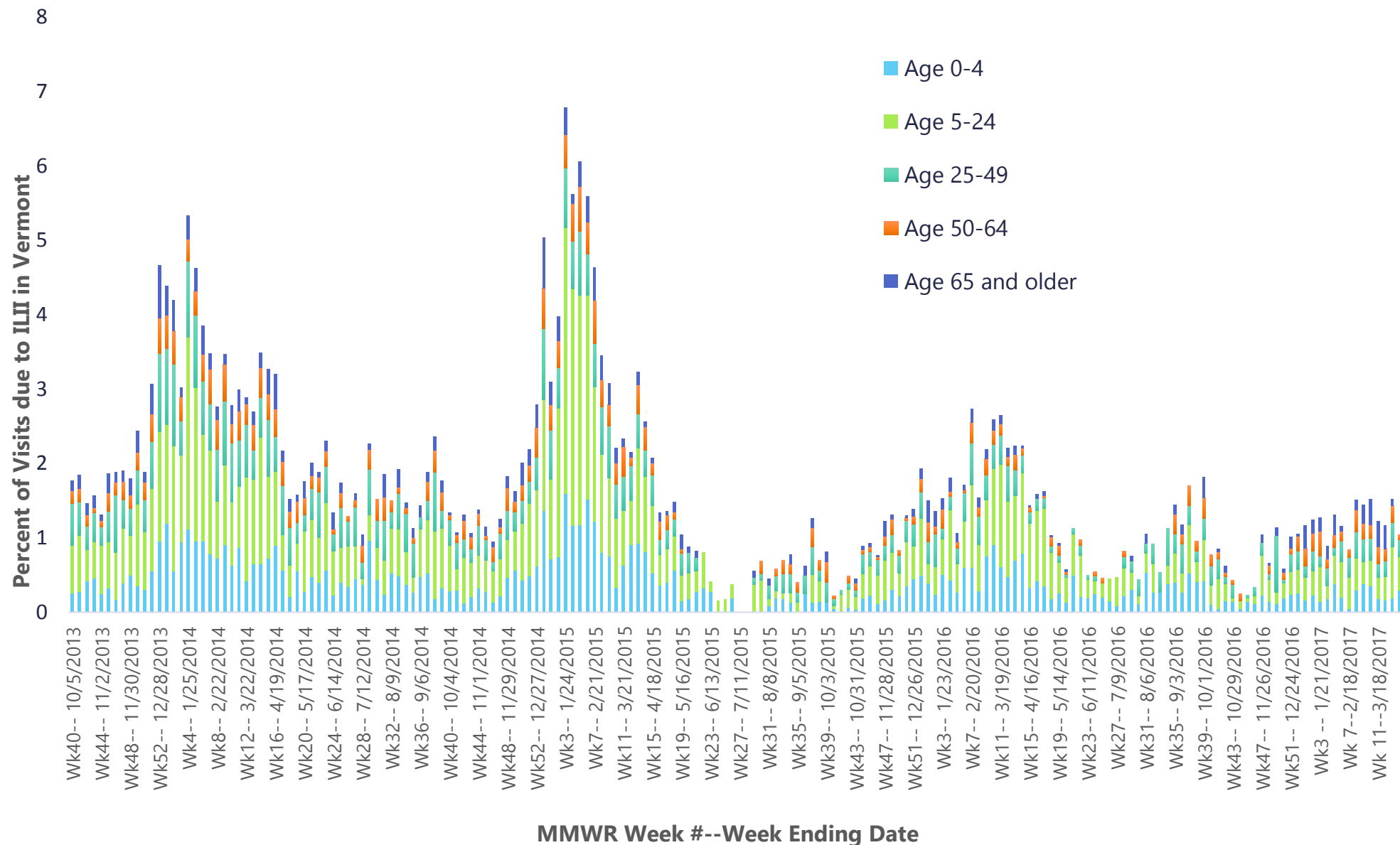
ILI is defined as a fever of at least 100° F and cough and/or sore throat, without a known cause other than influenza

There are 13 medical practices located throughout the state currently partnering with the Health Department as sentinels

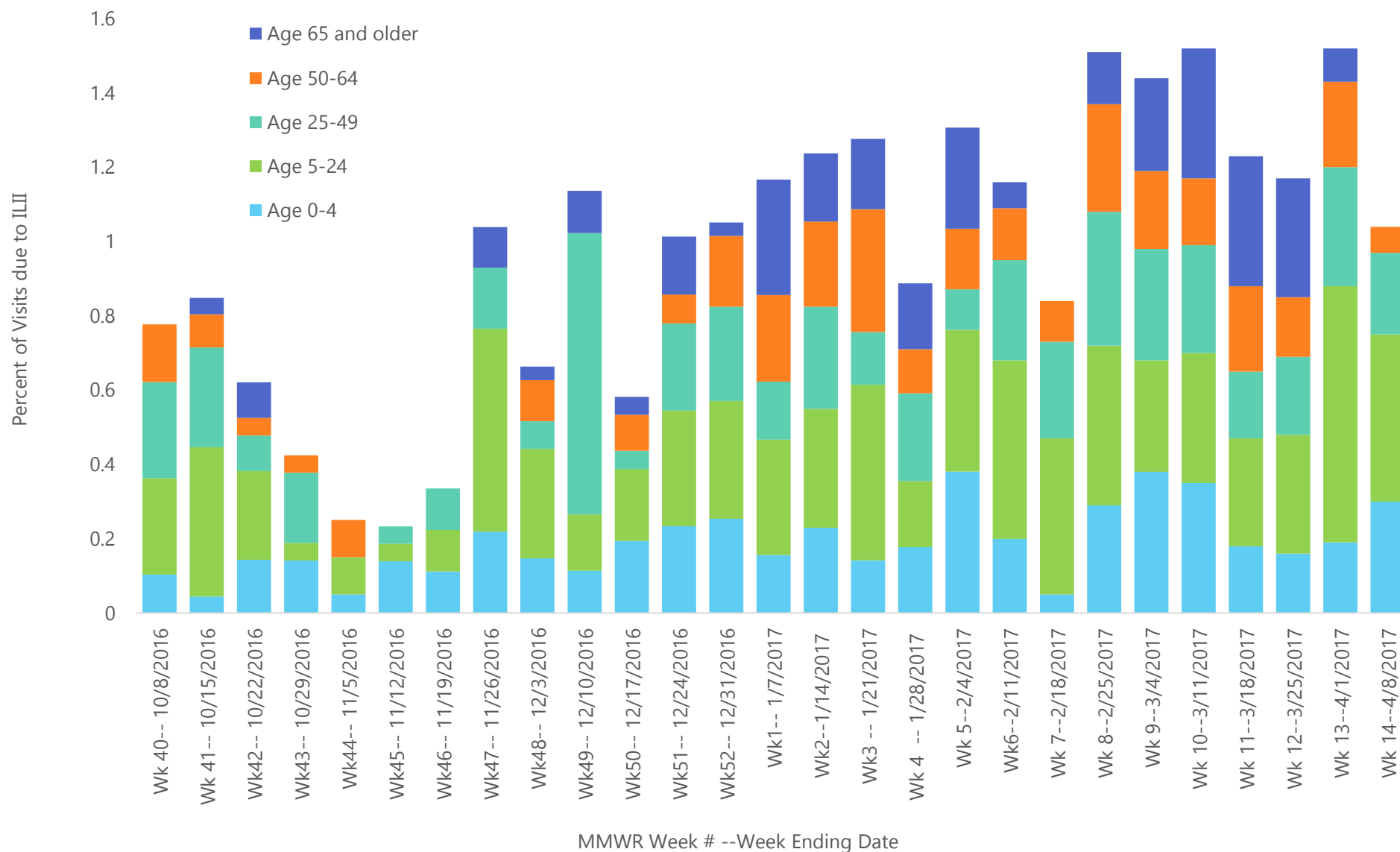
Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by MMWR Week, 2013/14 – 2016/17 Flu Seasons



Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by Age Group by MMWR Week, 2013/14 – 2016/17 Flu Seasons



Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by Age Group by MMWR Week 2016/2017 Flu Season



Vermont Department of Health Laboratory (VDHL) and National Respiratory and Enteric Virus Surveillance System (NREVSS)

Individual influenza laboratory results are not reported to the Vermont Department of Health. The data below represents an unknown subset of the actual number of flu tests done in Vermont

VDHL tests specimens for flu to identify exactly which strains are currently causing illnesses in the state. Flu testing at the state laboratory is for surveillance purposes and completed on specimens submitted to VDHL

NREVSS data is collected from collaborating university and community hospital laboratories. These participating laboratories report positive results for a number of viruses, including influenza, on a weekly basis. Three Vermont hospitals contribute data into this system and is voluntary

LABORATORY DATA

	VDHL* Current Week (April 2-April 8, 2017)		VDHL* 2016-2017 Season Total (Oct 2, 2016-April 8, 2017)		NREVSS* Current Week (April 2-April 8, 2017)		NREVSS* 2016-2017 Season Total (Oct 2, 2016-April 8, 2017)	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Specimens Tested	24		323		264		4497	
Positive Specimens	24	100%	261	81%	59	22.3%	652	14.5%
Positive Specimens by Type/Subtype								
Influenza A	4	16.7%	215	82.4%	23	40%	484	74.2%
A (2009 H1N1)	0	0%	1	0.5%	0	0%	0	0%
A (H1)	0	0%	0	0%	0	0%	0	0%
A (H3)	4	100%	214	99.5%	0	0%	0	0%
A (unsubtyped)	0	0%	0	0%	23	100%	484	100%
Influenza B	20	83.3%	46	17.6%	36	60%	168	25.8%

*Laboratory data obtained from VDHL and from NREVSS may include the same specimens tested for flu. They are not mutually exclusive. Facilities that report to NREVSS may submit a specimen to VDHL for additional testing, therefore being reported both in NREVSS and VDHL.

Outbreaks During the 2016-2017 Season*

Long-Term Care Facility Outbreaks

Number of Outbreaks

15

Outbreak Regions

Central:	1
Northeastern:	0
Northwestern:	6
Southeastern:	4
Southwestern:	4

School Outbreaks

Number of Outbreaks

7

Outbreak Regions

Central:	3
Northeastern:	0
Northwestern:	2
Southeastern:	0
Southwestern:	2

Outbreaks at Other Facilities

Number of Outbreaks

1

Outbreak Regions

Central:	0
Northeastern:	0
Northwestern:	1
Southeastern:	0
Southwestern:	0

MAP OF INFLUENZA SURVEILLANCE REGIONS IN VERMONT

http://healthvermont.gov/sites/default/files/documents/2016/11/ID_HS_sentinel_map_16.pdf



DEPARTMENT OF HEALTH

*Suspected outbreaks of ILI should be reported to the health department